INTEGRATING KEYWORD SPOTTING WITH GRAPH DECODER TO IMPROVE THE ROBUSTNESS OF SPEECH RECOGNITION

ABSTRACT OF THE DISCLOSURE

An arrangement is provided for integrating graph decoder with keyword spotting to improve the robustness of speech recognition. When a graph decoder based speech recognition mechanism fails to recognize a word sequence from input speech data, a keyword based speech recognition mechanism is activated to recognize the word sequence based on a set of keywords that are detected from the input data.